

Faculty of Science
B.A/B.Sc (COMPUTER APPLICATIONS) I-Year, CBCS-I Semester
Backlog Examinations -January, 2021
PAPER: COMPUTER FUNDAMENTALS

Time: 2 Hours

Max Marks: 80

I. Answer any **Four** of the following questions

(4x20=80 Marks)

1. Write the Characteristics of Computer? Explain Classification of Computers and Applications of Computers?
2. What is Instruction Cycle? Write a note on CPU, Microprocessor and Cache Memory?
3. Explain Working of I/O System and Output Devices?
4. Explain types of Software in detail and Covert the following(8+3+3+3+3)
 - a) Hexadecimal Number AFB2 to Binary Number
 - b) Binary Number 110011 to Decimal Number
 - c) Decimal Number 789 to Octal Number
 - d) Octal Number 645 to Binary Number
5. Explain Process management , File management , Protection and Security functions of Operating System?
6. Explain Internet Architecture and Internet working Protocol?
7. Explain need for information based system ,CBIS and Operations Support system?
8. Discuss Cryptography, Digital Signature and Firewall?
